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CLAIMS

1. A hydrogen absorbing alloy comprises a composition expressed by the general formula:

Ti(100-a-b-c-d)CraVbNicXd,

where X is at least one member selected from the group consisting of Y (yttrium), lanthanoids, Pd and Pt, each of a, b, c and d is represented, in terms of atomic%, by the relations $8 \le a \le 50$, $30 < b \le 60$, $5 \le c \le 15$, $2 \le d \le 10$ and $40 \le a + b + c + d \le 90$;

and a crystal structure of a principal phase which is a body-centered cubic structure.

2. A hydrogen-absorbing alloy/comprises a composition expressed by the general formula:

Ti(100-a-b-c-d)CraVbNicXd,

where X is at least one member selected from the group consisting of Y (\forall ttrium), lanthanoids, Pd and Pt and each of a, b, c and d is represented, in terms of atomic%, by the relations $8 \le a \le 50$, $0 < b \le 30$, $5 \le c \le 15$, $2 \le d \le 10$ and $40 \le a + b + c + d \le 90$;

and a crystal structure of a principal phase which is converted to a body-centered cubic structure by heat-treatment.

3. A hydrogen-absorbing alloy comprises a composition expressed by the general formula:

Ti(100-a-b-c-d)CraMbNicXd,
where M is at least one of Mo and W, X is at
least one member selected from the group
consisting of Y (yttrium), lanthanoids, Pd and
Pt, and each of a, b, c and d is expressed, in

Pt, and each of a, b, c and d is expressed, in terms of atomic*, by the relations $8 \le a \le 50$, $30 < b \le 60$, $5 \le c \le 15$, $2 \le d \le 10$ and $40 \le a + b + c + d \le 90$;

and a crystal structure of a principal phase which is converted to a body-centered cubic structure by heat-treatment.

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- 5. A hydrogen-absorbing alloy according to claim 2 or 3, wherein heat-treatment comprises solution treatment conducted for 1 min to 100 hr at a temperature range of from 700 to 1500°C, and one or both treatments selected from quenching and aging of from 350 to 1200°C after solution treatment.
- 6. A cell electrode comprising said hydrogenabsorbing alloy according to any one of claims 1 through 4.
- 7. A cell electrode according to claim 6, wherein said cell electrode has excellent cell characteristics in the maximum discharge capacity and the capacity retaining ratio after 100 charge/discharge cycles.
- 8. A cell electrode according to claim 7, wherein the maximum discharge capacity is 375 to 465 mAh/g and the capacity retaining ratio after 100 charge/discharge cycles is 80 to 95%.

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